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10/596,107	10/30/2006	Satoshi Hashimoto	P30026	2090

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EXAMINER	
DANG, HUNG Q	
ART UNIT	PAPER NUMBER
2484	

NOTIFICATION DATE	DELIVERY MODE
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Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

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DETAILED ACTION

Response to Arguments

Applicant's arguments filed 10/13/2010 have been fully considered but they are not persuasive.

On pages 6-7, Applicant argues that,

"... APTE et al. discloses that a byte code is a machine independent code generated by the Java compiler and executed by a Java interpreter, and additionally, that bytecode instructions are designed to be easy to interpret on any computer and easily translated, on the fly into native machine code", and

"In contrast to the teachings of JUNG et al. and APTE et al. (and KIKUCHI et al.), Applicants' independent claim 1 recites including a native code for selecting an image to be rendered from among the plurality of images stored in the storage based on a specified location on a time axis relating to the playback timing of the video included in the control information, and the rendition time corresponding to each image stored in the storage, and storing the selected image in the image plane. Applicants respectfully submit that the combination of JUNG et al., KIKUCHI et al. and APTE et al. fail to disclose or render obvious at least the above-noted feature of Applicants' independent claim 1 insofar as the native code is pre-stored in the platform."

In response, Examiner respectfully disagrees and submits that Apte clearly discloses converting the bytecode, which at least is the recited predetermined codes, into native machine code, which corresponds to the recited native codes. This is understandable because codes written in Java machine independent bytecode are to be read and executed by the Java virtual machine only. Each machine still needs its own

version of the Java virtual machine. All versions of Java virtual machine take the same bytecode to execute thus making the bytecode independent from the underlying hardware machine. However, at the output of each version of Java virtual machine, it is the native machine codes specific to the underlying hardware that are generated and executed. In other words, at the lowest level of code execution, it is the native machines code to be executed.

Further, Jung, as described in the Office Action, discloses Java and API predetermined codes *(see at least column 3, line 56 – column 4, line 38 and column 7, lines 34-48)* for selecting an image to be rendered *(see at least column 4, lines 49-51 and column 6, lines 56-67)*. Incorporating a Java virtual machine to convert those codes into native machine codes is necessary for the processor to directly execute and produce the final results.

Applicant's argues that in claim 1 the native code is pre-stored in the platform.

In response, Examiner respectfully submits that there is no limitation in claim 1 that recites the feature. As such, the converting on fly as taught by Apte is clearly applicable and reads on the claim language.

Therefore, Applicant's arguments are not persuasive.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Hung Q. Dang whose telephone number is (571)270-1116. The examiner can normally be reached on IFT.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, THAI Q. TRAN can be reached on 571-272-7382. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Hung Q Dang/
Examiner, Art Unit 2484

/Thai Tran/

Supervisory Patent Examiner, Art Unit 2484